# Nio 3MP (E-3620 MA)

## 3 MegaPixel diagnostic grayscale display system

Nio is Barco's flexible, industry-standard display solution for diagnostic imaging. Nio 3MP provides image crispness and an excellent viewing angle in a 2048 x 1536 resolution.

### High-quality imaging

The Nio 3MP brings high brightness, exceptional crispness and an excellent viewing angle to your readings. Backlight Output Stabilization (BLOS) technology guarantees fast power-up and continuously stabilizes the luminance output of the LCD's backlight.

### Fully transparent calibration and QA

Barco's Nio 3MP is bundled with MediCal QAWeb for automated DICOM calibration, Quality Assurance, display asset management, problem solving and reporting, guaranteeing maximum diagnostic confidence and uptime of your PACS display systems.

### The Nio 3MP display system includes:

· A 3 MegaPixel flat panel display
· MediCal QAWeb software for automated calibration and Quality Assurance
· A high-speed, high-performance display controller: check the compatibility matrix

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| Product specifications | Nio 3MP (E-3620 MA) |
|---|---|
| **Screen technology** | TFT AM LCD Dual Domain IPS |
| **Active screen size (diagonal)** | 528 mm (20.8") |
| **Active screen size (H x V)** | 424 x 318 mm (16.7 x 12.5") |
| **Aspect ratio (H:V)** | 4:3 |
| **Resolution** | 3MP (2048 x 1536) |
| **Pixel pitch** | 0.2070 mm |
| **Color imaging** | No |
| **Gray imaging** | Yes |
| **Number of grayscales (LUT in/LUT out)** | 1024 grey levels (10/10) |
| **Viewing angle (H, V)** | 170° |
| **Uniform Luminance Technology (ULT)** | Yes |
| **Per Pixel Uniformity (PPU)** | No |
| **Ambient Light Compensation (ALC)** | No |
| **Backlight Output Stabilization (BLOS)** | Yes |
| **I-Guard** | No |
| **Maximum luminance** | 1000 cd/m² |
| **DICOM calibrated luminance (ULT off)** | 500 cd/m² |
| **Contrast ratio (ULT off)** | 900:1 |
| **Response time (Tr + Tf)** | 50 ms |
| **Video input signals** | DVI-D Dual Link |
| **USB ports** | 1 upstream, 2 downstream |
| **USB standard** | 1.1 |
| **Power consumption (nominal)** | 54W |
| **Power save mode** | Yes |
| **Dimensions with stand (W x H x D)** | Portrait: 382 x 577~637 x 249 mm<br>Landscape: 488 x 472~532 x 249 mm |
| **Dimensions w/o stand (W x H x D)** | Portrait: 382x 488 x 114 mm<br>Landscape: 488 x 382 x x 114 mm |
| **Net weight with stand** | 11.5 kg |
| **Mounting standard** | VESA (100 mm) |
| **Screen protection** | Protective, non-reflective PMMA cover |
| **Recommended modalities** | CT, MR, US, DR, CR, NM, Film |
| **Certifications** | UL 60601-1 1ST EDITION, CAN/ CSA-C22.2 NO. 601.1-M90, UL 60950-1 1ST EDITION, CSA C22.2 NO. 60950-1-03 1ST EDITION, IEC 60601-1 2ND ED:1988 + A1:1991 + A2:1995, IEC 60950-1:2001 1ST EDITION, CE - 2004/108/EC, CE - 93/42/EC, A1:2007/47/EC CLASS IIB, DEMKO - EN 60601-1, DEMKO - EN 60950-1, CCC - GB9254-1998 + GB4943-2001 + GB17625.1-2003, VCCI, FCC class B, BSMI, KETI, FDA 510K, Rohs |
| **Supplied accessories** | Getting Started Guide<br>Quick-Installation Sheet<br>Video cable (DVI Dual Link)<br>Main cables (UK, European (CEBEC/KEMA), USA (UL/CSA; adaptor plug NEMA 5-15P), Chinese (CCC))<br>External power supply |
| **Optional accessories** | NA |
| **QA software** | MediCal QAWeb |
| **Warranty** | 5 years |

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Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.

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